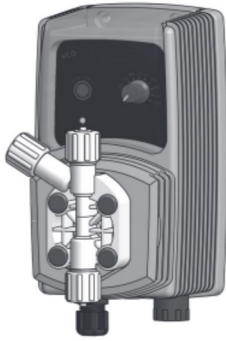


# "VA" Self Venting series Metering Pumps Data Sheet



- Wall mounted
- Microprocessor technology
- Stroke speed adjustment
- Self venting PVDF pump head
- All liquid ends (pump head, injection valve, foot filter) ....PVDF
- Enclosure .....PPO
- Environment temperature.....0-45°C ( 32-113°F)
- Chemical temperature.....0-50°C (32-122°F)
- Transportation and storage temperature.....-10-50°C (14-122°F)
- Installation class .....II
- Audible noise.....70.4db(A)  
.....67.4db(A) silenced mod.  
.....66.4db(A) ultra-silenced mod.
- Protection degree .....IP65 (% working RU: 85% T<=40°C; 70% T=50°C - without condensing water)

## Configuration Code

MODEL		
CODE	MODEL	FUNCTION
AO	"VA CO"	Constant pump with stroke speed (frequency) adjustment and a divider mode to reduce by 10 times the pump capacity.
AL	"VA CL"	Constant pump with level control, stroke speed (frequency) adjustment and a divider mode to reduce by 10 times the pump capacity.

CAPACITIES				
VA Models			Hoses	Pump head
1802	2 l/h at 18 bar	0.52 GPH at 261 PSI	4 x 8	KA
1503	3 l/h at 15 bar	0.79 GPH at 217 PSI	4 x 6	KA
1501	1 l/h at 10 bar	0.26 GPH at 217 PSI	4 x 6	KA
103,4	3,4 l/h at 10 bar	0.89 GPH at 145 PSI	4 x 6	KA
1007	7 l/h at 10 bar	1.84 GPH at 145 PSI	4 x 6	KA
1002	2 l/h at 10 bar	0.52 GPH at 145 PSI	4 x 6	KA
100,5	0,5 l/h at 10 bar	0.1 GPH at 145 PSI	4 x 6	JA
0704	4 l/h at 7 bar	1.05 GPH at 101 PSI	4 x 6	KA
057,5	7,5 l/h at 5 bar	1.98 GPH at 72 PSI	4 x 6	KA
0509	9 l/h at 5 bar	2,37 GPH at 72 PSI	4 x 6	KA
045,5	5,5 l/h at 4 bar	1.45 GPH at 58 PSI	4 x 6	KA
0307	7 l/h at 3 bar	1.84 GPH at 43 PSI	4 x 6	KA
0212	12 l/h at 2 bar	3.2 GPH at 29 PSI	6 x 8	KA
0113,5	13,5 l/h at 1 bar	3.56 GPH at 14 PSI	6 x 8	KA

Model V **AO** **1802** **4** **00** **00**

POWER SUPPLY	
00	230 VAC Schuko plug
05	230 VAC australian plug
01	230 VAC without plug
03	115 VAC US plug
04	24 VAC without plug
05	12 VDC *
07	24 VDC

\* On some models only.

LIQUID ENDS								
	HEAD	ORINGS	VALVES		DIAPHRAGM	HOSES		VISCOSITY Max CPS
			Body	Balls		Delivery	Suction	
1	PVDF	FKM B	PVDF	Ceramic	PTFE	PE	PVC	100
3	PVDF	EPDM	PVDF	Ceramic	PTFE	PE	PVC	100
4*	PVDF	FKM B	PVDF	Ceramic	PTFE	PE	PVC	100
5*	PVDF	EPDM	PVDF	Ceramic	PTFE	PE	PVC	100
V	PP	FKM B	PP	Ceramic	PTFE	PVDF	PVC	100
D	PP	EPDM	PP	Ceramic	PTFE	PVDF	PVC	100
W	PP	Nitrile	PP	Ceramic	PTFE	PVDF	PVC	100

\* Use for capacities up to 1 l/h.

# "VA" Self Venting series Metering Pumps Data Sheet

## Technical features

INFORMATION					
Models	Strokes speed		Power consumption at max flow (230 VAC)	Power consumption at max flow (115 VAC)	Weight
	min	max			
1802	18	180	22 Watt	15 Watt	2,2 KG (4.85 LBS)
1503	18	180	22 Watt	15 Watt	
1501	18	180	16 Watt	11 Watt	
103,4	18	180	16 Watt	13 Watt	
1007	18	180	22 Watt	15 Watt	
1002	18	180	16 Watt	11 Watt	
100,5	18	180	16 Watt	11 Watt	
0704	18	180	16 Watt	11 Watt	
057,5	18	180	16 Watt	13 Watt	
0509	18	180	22 Watt	15 Watt	
045,5	18	180	16 Watt	11 Watt	
0307	18	180	16 Watt	11 Watt	
0212	18	180	16 Watt	13 Watt	
0113,5	18	180	16 Watt	13 Watt	

CAPACITY						
Model	FLOW			cc per STROKE	Maximum pressure	
	min cc/h	max l/h	Max GPH		bar	PSI
1802	205.2	2	0.53	0.19	18	261
1503	302.4	3	0.79	0.28	18	217
1501	97.2	1	0.3	0.09	15	217
103,4	334.8	3.4	0.9	0.31	10	145
1007	702	7	1.8	0.65	10	145
1002	205.2	2	0.5	0.19	10	145
100,5	54	0.5	0.1	0.05	10	145
0704	399.6	4	1.1	0.37	7	101
057,5	745.2	7.5	2	0.69	5	72
0509	896.4	9	2.4	0.83	5	72
045,5	550.8	5.5	1.5	0.51	4	58
0307	702	7	1.8	0.65	3	43
0212	1198.8	12	3.2	1.11	2	29
0113,5	1350	13.5	3.6	1.25	1	14

QUANTITY	PACKAGE CONTENT
n. 1	Assembly kit
n. 1	5 X 20 delayed fuse
n. 1	Level probe with axial foot filter (PVDF) (level probe not in CO model)
n. 1	0,3 Bar injection valve (PVDF)
m 2	Delivery hose
m 2	Suction hose
m 2	Discharge hose
n.1	Operating manual

POWER SUPPLY
230 VAC (190-265 VAC)
115 VAC (90-135 VAC)
24 VAC (20-32 VAC)
12 VDC (10-16 VDC)

FUSE		
MODEL	230 VAC	115 VAC
1802	1.25 A	1.25 A
1503	1.25 A	1.25 A
1501	800 mA	800 mA
103,4	1 A	1 A
1007	1.25 A	1.25 A
1002	800 mA	800 mA
100,5	800 mA	800 mA
0704	800 mA	800 mA
057,5	1 A	1 A
0509	1.25 A	1.25 A
045,5	800 mA	800 mA
0307	800 mA	800 mA
0212	1.25 A	1.25 A
0113,5	1 A	1 A

# "VA" Self Venting series Metering Pumps Data Sheet

## Dimension

mm [inches]

DIMENSIONS		
	mm	inches
A	106.96	4.21
B	210.44	8.28
C	199.44	7.85
D	114.50	4.50
E	187.96	7.40
F	97.00	3.81
G	106.96	4.21
H	125.47	4.93
L	50.00	1.96
M	201.00	7.91

